

AMENDMENTS

IN THE CLAIMS:

Please cancel claims 1-6, 8, 11, 15, 17 and 18.

Please add new claims 19-32 as follows:

19. (New) A purified polynucleotide having a sequence selected from the group consisting of SEQ ID NOS:1-20, complete complements of SEQ ID NOS:1-20 and degenerate coding sequences thereof.

20. (New) The purified polynucleotide of claim 19 wherein said polynucleotide is produced by recombinant techniques.

21. (New) The purified polynucleotide of claim 19 wherein said polynucleotide is produced by synthetic techniques.

22. (New) The purified polynucleotide of claim 19 wherein said polynucleotide comprises a sequence encoding at least one epitope.

23. (New) A recombinant expression system comprising:
a nucleic acid sequence that includes an open reading frame operably linked to a control sequence compatible with a desired host, the nucleic acid sequence selected from the group consisting of SEQ ID NOS:1-20, complete complements of SEQ ID NOS:1-20 and degenerate coding sequences thereof.

24. (New) A cell transfected with the recombinant expression system of claim 23.

25. (New) A cell transfected with a nucleic acid sequence encoding at least one epitope, wherein said nucleic acid sequence is selected from the group consisting of SEQ ID NOS:1-20, complete complements of SEQ ID NOS:1-20 and degenerate coding sequences thereof.

26. (New) A composition of matter comprising a polynucleotide, the polynucleotide having a sequence selected from the group consisting of SEQ ID NOS:1-20, complete complements of SEQ ID NOS:1-20 and degenerate coding sequences thereof.

27. (New) An isolated polynucleotide encoding a protein, the isolated polynucleotide comprising:
an amino acid sequence selected from the group consisting of SEQ ID NO:41 and a complete complement of SEQ ID NO:41.

28. (New) The isolated polynucleotide of claim 27 wherein said polynucleotide is produced by recombinant techniques.

29. (New) The isolated polynucleotide of claim 27 wherein said polynucleotide is produced by synthetic techniques.

30. (New) An isolated polynucleotide encoding a protein, the isolated polynucleotide comprising:
an amino acid sequence selected from the group consisting of SEQ ID NO:20 and a complete complement of SEQ ID NO:20.

31. (New) The isolated polynucleotide of claim 30 wherein said polynucleotide is produced by recombinant techniques.

32. (New) The isolated polynucleotide of claim 30 wherein said polynucleotide is produced by synthetic techniques.